

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. (presently amended) A loudspeaker assembly comprising:

- (a) an enclosure;
- (b) a passive radiator aperture formed in the enclosure and an active driver aperture;
- (c) an active driver aperture formed in the enclosure;
- (d) a passive diaphragm mounted within the passive radiator aperture by a passive diaphragm suspension extending between the passive diaphragm and the enclosure, wherein the passive diaphragm suspension provides a weather-resistant seal between the passive diaphragm and the enclosure.
- ~~(b) a passive diaphragm positioned essentially centrally within the passive radiator aperture; and~~
- ~~(c) a passive diaphragm suspension extending between the diaphragm and the speaker enclosure, the suspension holding the passive diaphragm in place and allowing the diaphragm to move linearly in a direction substantially normal to the surface of the diaphragm.~~

2. (presently amended) The loudspeaker assembly of claim 1 further comprising a secondary passive diaphragm suspension mounted to the passive diaphragm.

3. (presently amended) The loudspeaker assembly of claim 1 wherein an active driver has been selected for installation in the active driver aperture, and wherein the

passive diaphragm is tuned to a frequency below the low frequency cutoff frequency of the active driver.

4. (cancelled)

5. (withdrawn) A loudspeaker having a passive radiator mounted in a passive radiator aperture formed in a loudspeaker enclosure, the process of forming the passive radiator formed comprising:

- (a) assembling an injection mold with a first cavity and a second cavity;
- (b) injecting resin into the first cavity to form a diaphragm of the passive radiator;
- (c) injecting resin into the second cavity to form the enclosure;
- (d) adjusting the mold to provide a third cavity that is continuous with the first and second cavities; and
- (e) co-molding a suspension between the diaphragm and the enclosure.

6. (withdrawn) The loudspeaker of claim 5 wherein the first cavity is positioned in the mold centrally in a passive radiator aperture defined by the second cavity.

7. (withdrawn) The loudspeaker of claim 5 wherein the mold has two plates and an insert and wherein, in step (d), the third cavity is provided by separating the two plates, removing the insert and re-assembling the two plates.

8. (withdrawn) The loudspeaker of claim 5 wherein the mold has three plates and wherein step (a) is performed by assembling the first and second plates together and step (d) is performed by assembling the first and third plates together.

9. (withdrawn) The loudspeaker of claim 5 wherein step (d) is performed by removing blocking elements that separate the third cavity from the first and second cavities.

10. (withdrawn) The loudspeaker of claim 5 wherein step (e) is performed before the passive diaphragm and enclosure have fully solidified.

11. (withdrawn) The loudspeaker of claim 5 wherein a molecular bond is formed between the passive suspension and the enclosure and between the passive suspension and the passive diaphragm.

12. (withdrawn) A method of manufacturing a loudspeaker comprising:

- (a) forming an enclosure having a passive radiator aperture and an active driver aperture;
- (b) forming a diaphragm within said passive radiator aperture;
- (c) forming a diaphragm suspension to provide a seal between the speaker housing and the diaphragm, wherein the diaphragm permits the diaphragm to move linearly; and
- (d) installing an active driver in the active radiator aperture with a seal between the active driver and the active driver aperture.

13. (withdrawn) The method of claim 12 wherein steps (a) and (b) are performed simultaneously by injection molding the enclosure and the diaphragm.

14. (withdrawn) The method of claim 13 wherein step (c) is performed before the speaker enclosure and the diaphragm have fully solidified.

15. (withdrawn) The method of claim 13 wherein the first material is a plastic.

16. (withdrawn) The method of claim 14 wherein the plastic is selected from the group consisting of ABS, polypropylene, polyethylene, acrylic, polystyrene, lexan, thermoset materials, thermoplastic rubbers.

17. (withdrawn) A mounting bracket for a speaker having at least one mounting channel, said mounting channel having a support surface and having a locking channel, and the mounting channels extending along the surface of the speaker, wherein the mounting bracket comprises:

- (a) a base having one or more support arms;
- (b) a locking plate having one or more locking members movable between a locked and unlocked position,

wherein:

- (i) when the locking members are in the unlocked position, the locking members are aligned with the support arms allow the locking members and support arms to engage the mounting channels; and
- (ii) when the locking members are in the locked position, the support arms engage the support surface and the locking members extend into the locking channel.

18. (withdrawn) The mounting bracket of claim 17 further comprising a positioning shoulder for engaging a positioning detent on the speaker, thereby preventing the support arms from moving along the mounting channel.

19. (newly added) The loudspeaker assembly of claim 1 wherein the passive diaphragm and the suspension are co-molded.

20. (newly added) The loudspeaker assembly of claim 1 wherein the enclosure and the suspension are co-molded.

21. (newly added) The loudspeaker assembly of claim 1 wherein the suspension is co-molded to both the passive diaphragm and the enclosure.

22. (newly added) The loudspeaker assembly of claim 1 wherein the passive diaphragm is mounted essentially centrally within the passive radiator aperture and wherein the

suspension allows the passive diaphragm to move linearly in a direction substantially normal to the surface of the passive diaphragm.

23. (newly added) The loudspeaker assembly of claim 1 further comprising an active driver mounted within the active driver aperture with an active driver seal, wherein the active driver seal is weather-resistant.

24. (newly added) The loudspeaker assembly of claim 23 wherein the active driver seal is weather-proof.

25. (newly added) The loudspeaker assembly of claim 23 wherein the active driver seal is air-tight or substantially air-tight.

26. (newly added) The loudspeaker assembly of claim 23 wherein the active driver has an active diaphragm made from a weatherproof or weather-resistant material.

27. (newly added) The loudspeaker assembly of claim 1 wherein the enclosure includes a base and a cover mounted to the base with a water-tight or moisture-tight seal.

28. (newly added) The loudspeaker assembly of claim 27 wherein the active driver aperture is formed in the cover and the passive radiator aperture is formed in the base.

29. (newly added) The loudspeaker assembly of claim 1 further comprising a mounting bracket configured to be removably mounted to the enclosure, wherein the mounting bracket includes at least one support arm having an unlocked position and a locked position, and wherein the enclosure includes a mounting channel for receiving the mounting bracket while the support arm is in the unlocked position.

30. (newly added) The loudspeaker assembly of claim 29 wherein the mounting bracket includes a mounting plate and a locking plate, wherein the arms are formed on the

locking plate and wherein the arms are movable between the locked and unlocked positions by moving the locking plate relative to the mounting plate.

31. (newly added) The loudspeaker assembly of claim 29 wherein the mounting bracket further includes a locking element for moving the arms between the locked and unlocked positions.

32. (newly added) The loudspeaker assembly of claim 31 wherein the locking element is a locking screw.

33. (newly added) The loudspeaker assembly of claim 1 further comprising a mounting bracket, wherein the mounting bracket includes one or more bracket positioning elements and the enclosure includes a plurality of enclosure positioning elements configured to receive the bracket positioning elements to hold the enclosure in a fixed position relative to the bracket.

34. (newly added) The loudspeaker assembly of claim 33 wherein the bracket positioning elements are shoulders formed on the mounting bracket and wherein the enclosure positioning elements are a plurality of detents formed in the enclosure to receive one or more of the shoulders.